

CBSE – DEPARTMENT OF SKILL EDUCATION

MUSIC PRODUCTION(SUBJECT CODE-832)

Sample Question Paper with Marking Scheme

Class XII (Session 2019–2020)

Time: 3 Hours

Max. Marks: 60

General Instructions:

1. This Question Paper consists of two parts viz. Part A: Employability Skills and Part B: Subject Skills.

Part A: Employability Skills (10 Marks)

- i. Answer any 4 questions out of the given 6 questions of 1 mark each.
- ii. Answer any 3 questions out of the given 5 questions of 2 marks each.

Part B: Subject Skills (50 Marks):

- iii. Answer any 10 questions out of the given 12 questions of 1 mark each.
 - iv. Answer any 5 questions from the given 7 questions of 2 marks each.
 - v. Answer any 5 questions from the given 7 questions of 3 marks each.
 - vi. Answer any 3 questions from the given 5 questions of 5 marks each.
2. This question paper contains 42 questions out of which 30 questions are to be answered.
3. All questions of a particular part/section must be attempted in the correct order.
4. The maximum time allowed is 3hrs.

PART A: EMPLOYABILITY SKILLS (10 MARKS)

Answer any 4 questions out of the given 6 questions of 1 mark each:

1.	"Why haven't you completed your homework?" is an example of _____ type of sentence. a. Declarative sentences b. Interrogative sentences c. Imperative sentences d. Exclamatory sentences Answer : b. Interrogative sentences	(1)
2.	Self-motivation decreases individual's energy and activity (True/ False). Answer- (False)	(1)
3.	Which of the following syntax is correct regarding to SUM function in Excel? a) =SUM(B2,B4) b) =SUM(A2:B6) c) =SUM(A1:A9,B1:B9) d) All of the above Answer – b) =SUM(A2:B6)	(1)

4.	Customer needs and Competitive Business are the part of _____ in a business cycle. a. Business idea b. Improving and growth of a business c. Business Planning d. Understand Market Answer : d. Understand Market	(1)
5.	In our daily lives we do household work, that releases _____ into the atmosphere and contribute to the warming of our planet. Ans- harmful gases	(1)
6.	A good inspiring piece touches everybody's heart. a) Activities b) Dreaming big. c) Music. d) Expansive Thoughts. Answer – Music	(1)

Answer any 3 questions out of the given 5 questions of 2 marks each:

7.	“Paragraph writing is one of the important writing skills.” Explain. Answer A paragraph is a series of sentences that are organized and coherent, and are all related to a single topic. It helps learner to recognise their own problems with paragraph construction and to identify errors, which improves their own redrafting skills.	(2)
8.	What are expansive thoughts? Answer - Expansive thinking is about being creative, and finding ways to get to where you want to be despite the obstacles you encounter, and to stay there (or go somewhere better) as you move through life.	(2)
9.	Give the difference between the Slide show view and Slide sorter view. Answer 1. The Slide Show view is used to display a presentation slide-by-slide in full screen mode. There are many ways to run the slide show eg. Press F5 to run the presentation. 2. The Slide Sorter view displays miniature forms of all the slides in a presentation. There are many ways to display the slides in the slide sorter view eg. Slide sorter tab.	(2)
10.	Why business plan is important for an entrepreneur? List down four reasons. Ans- a. Estimating the money required to be spent b. Estimating quantity of material required c. Standing out d. Setting goals	(2)

11.	'Green jobs are decent jobs'. Justify the statement by giving their contribution to environment.	(2)
	Ans- To preserve or restore the environment, be they in traditional sectors, such as in manufacturing and construction sectors or in the emerging green sectors such as renewable energy.	

PART B: SUBJECT SKILLS (50 MARKS)

Answer any 10 questions out of the given 12 questions:

12.	Solder is an alloy mixture of ___TIN (Sn)___ and ___LEAD (Pb)___. Ans. Solder is an alloy mixture of 60% Tin and 40% Lead.	(1)
13.	Which type of concoctor is mainly found on a microphone? Ans. Male XLR	(1)
14.	What does PZM stand for? Ans. Pressure Zone Microphone	(1)
15.	How many conductors (wires) are needed for a balanced audio circuit A. 1 B. 2 C. 3 D. 4 Ans. C-3	(1)
16.	Phantom power can cause damage to ribbon microphone. (True/false) Ans. True	(1)
17.	HDMI cable is used for. A. Audio B. Video. C. Audio-Video D. Balanced Audio Ans. C (Audio – Video)	(1)
18.	Current flow is inversely proportional to cable length. (True/False) Ans. True	(1)
19.	I is symbol of Impedance or current. Ans. Current	(1)
20.	Which electric quantity is measured by WATTS? Ans. Electric Power	(1)
21.	What is the Indian color coding of the wiring for main flex/lead cables- Ans. Active-Red, Neutral-Black/Blue, Earth-Green	(1)
22.	AC (alternating current) is said to be less dangerous than DC (direct current). True/false Ans. True	(1)
23.	A value amp should have the speakers or a dummy load connected to it before turning the amplifier on. True/False Ans. True	(1)

Answer any 5 questions out of the given 7 questions of 2 marks each:

24.	What is defragmentation in relation to computer maintenance? Ans. Defragmentation is a process which gathers all the files fragments into a contiguous date file	(2)
25.	Excessive heat or low heat both is non-effective when soldering is done. Why? Ans. Excessive heat may cause solder boil which result in a crystallized joint. Low heat is	(2)

	insufficient to melt solder mixture.	
26.	What is the other name given to the PIN 1? Why it is slightly longer than PIN2 and PIN3? Ans. Other name given to pin 1 is shield or Earth. Pin 1 is slightly longer so that it is the first pin to connect which stabilizes the Circuit before connecting pin-2 and 3 which carry the signal.	(2)
27.	Write the key command to open a audio track and a software track in logic pro. Ans. To open a Audio track is logic pro- alt+cmd+A . To open software track in logic pro- alt+cmd+S	(2)
28.	What is the advantage of using balanced wiring? Ans. Balanced wiring is effective in reducing noise from stray magnetic fields that can be inducted into cable and where connection forming 'Ground Loops' occur.	(2)
29.	Write a key command to open vsti window and a key command to split a track in neundo. Ans. To open a vsti window in neundo-F-11 To split a track in neundo – opt+x	(2)
30.	What do you understand by safe work practice in O.H.S? Ans. O.H.S is occupational health and safety which means to that we should take all the necessary steps to minimize the physical hazards to any employ. Employers and the company management are obliged to provide a safe working environment of their of their employees.	(2)

Answer any 5 questions out of the given 7 questions of 3 marks each:

31.	What is the function of an oscillator in console? Ans. The Oscillator provides a steady sine wave signal to set levels between devices and checking eternal levels of devices checking frequency and phase response is also a function of oscillators. The oscillator is also useful in detecting signal park problems when fault finding.	(3)
32.	Match the following with their symbols Ans. Potential Difference-----V Power-----W Amperes- -----A Impedance- -----Z Resistance -----R	(3)
33.	What are the general guidelines when using a soldering iron? Ans. 1. Turn on iron well before needed to allow the tip to reach full temperature. 2. Use bigger tips on heavier work and small tips on circuit boards or dedicated work. 3. Make sure iron is returned to holder between uses to avoid accidental burns. 4. Keep cleaning sponge wet and clean tip regularly to reduce the build of floor.	(3)
34.	How do you find multi meter more useful comparatively to cable tester? Ans. Cable testers are limited to the types of connector provided on the unit. A multimeter provides the most flexible way to test leads. Multimeter is a more reliable way to check leads and can also provide an alternate method when there is doubt about the integrity of the cable tester.	(3)
35.	What is power? Ans. Power is the rate at which work is performed or the transfer of energy to an object mover and o' object linearly or rotationally or the generation of heat is the most common	(3)

	uses of power. Power is measured as work done per usual or in terms of energy transfer of 1 joule S^{-1}	
36.	Write a procedure to save a session file or a project in logic pro. Ans. Make a folder in hard disk on desired location with the name of the project or session. Then open logic pro. go to file. Select new project. Select a software track or audio track according to your requirements. Then press cmd+S. A new window will appear. Then again give a correct name to your project. Select a folder option and press enter.	(3)
37.	What do you understand by cultural diversity? Ans. cultural diversity is the quality of diverse or different cultures. People from different cultural society are coming to work in one organization. So differences of their food habits. Their clothing their language and even their physical appearances are very prominent. So we have to respect each other and each other's cultural difference.	(3)

Answer any 3 questions out of the given 5 questions of 5 marks each:

38.	What do you understand by biasing? Why crossover distortion happens if biasing is not done? Ans. Biasing is a high frequency tone that is well above the range of human hearing and is mixed with the audio to linearize the signal recorded on tape. Biasing also has a significant effect on the high frequency response of the recording. Machines are biased according to the manufacturers specification. The chosen record level the machine is aligned to also influence the effect of the biasing and the bias calibration. Crossover distortion is a type of distortion which is caused by switching between devices driving a load. Without the bias severe crossover distortion would result.	(5)
39.	Describe the methods to check a cable for continuity. Ans. There are two popular method of checking the continuity of a cable- Testing leads or cable using a cable tester- any repair or construction of leads require testing on completion to verify that they are in good working order. As well as electrically testing a lead a thorough visual inspection is also required. The easiest method to check a cable for continuity is using a cable tester. These are special devices that on identify loose connections incorrect connections, short circuits and open circuit conditions. Testing leads or cable using a multimeter another method to check a cable for continuity is using a multimeter. Properly operated a multimeter is more reliable way to check leads and can also provide an alternate method when there is doubt about integrity of the cable tester. Method- Plug the test leads of the multimeter into the meter and select the continuity test mode or low ohms mode. Bring the end of the test leads together to form a circuit and check that meter is working correctly.	(5)
40.	Draw all the polar response pattern of microphone. Ans. Type of polar pattern of microphone 1. Omni Directional 2. Bidirectional 3. Cordiod 4. Hypercordiod 5. Super-Cardioid <u>Patterns</u> 1. Omni Directional 2. Bidirectional 3. Cardioid	(5)

	4. Hyper cardioid 5. Super cardioid	
41.	<p>How the Fuse rating is done and what are the fundamental types of fuse failure?</p> <p>Ans. Fuses are rated by current capacity (Amperes) and voltage. They are usually slightly larger than the required current. That is the current requirement of the equipment is 0.75 that of fuse. There are two fundamental types of fuse failure-Fatigue-cause by normal power cycling of the apparatus. This cause the fuse to heat slightly each time it is turn on which progressively weakens the fuse. Indicated by a clean operative in the fuse element/wire. Probly safe to replace the full if ensure do not replace until checked by a qualified technician.</p> <p>Catastrophic- Caused by a fault condition of the apparatus. Indicated by severe ‘blacking’ of the fuse.</p>	(5)
42.	<p>It is not necessary that individuals need to protect themselves from 10,000 volts, even 42 volts can be enough to electrocute a person. What are the safety measure one needs to take care while working in studio.</p> <p>Ans. The real measure of a shock’s intensity lies in the amount of current (amperes) forced through the body and not the voltage. any electrical device used on a house wiring circuit can under certain conditions transmit a fatal current. It’s the electrical current that does the damage. Current equals voltage divided by resistance ($I=V/R$) but the resistance of the human body varies so widely it is impossible to state that one voltage is dangerous’ and another is safe. In studio we have to always connect all the equipment correctly to avoid any type of disturbed sound. All the power cables and power boards should be well maintained otherwise they can cause short circuits. We have to always follow the fire safely norms. All the fire extinguishers should be maintained and in working condition. To avoid ear damage we should use ear protector, to protect eyes used eye protector. We should also take a short break if we are working for long hours.</p>	(5)